



STATE PROCUREMENT OFFICE  
NOTICE & REQUEST FOR SOLE SOURCE

'13 SEP -5 P1:44

STATE PROCUREMENT OFFICE  
STATE OF HAWAII

TO: Chief Procurement Officer

FROM: Department of the Attorney General

Name of Requesting Department

Pursuant to HRS §103D-306 and HAR chapter 3-122, Subchapter 9, the Department requests sole source approval to purchase the following:

1. Describe the goods, services, or construction to be procured.

Upgrade to the existing MorphoTrak Automated Fingerprint Identification System (AFIS) to the latest version offered by the vendor.

2. Vendor/Contractor/Service Provider Name:

MorphoTrak, Inc.

3. Amount of Request:

\$2,780,000.00

4. Term of contract (shall not exceed 12 months), if applicable:

From: 01/01/2014 @ 9/15/10

To: 12/31/2014  
~~for a period of 5 years~~

5. Prior SPO-001, Sole Source (SS) No.:

6. Describe in detail the following:

a. The unique features, characteristics, or capabilities of the goods, service or construction.

See attached.

b. How the unique features, characteristics or capabilities of the goods, service or construction are essential for the department

See attached.

**For Chief Procurement Officer Use Only**

Date Notice Posted: 9/5/13

Submit written objection to this notice to issue a sole source contract within seven calendar days or as otherwise allowed from date notice posted to:

state.procurement.office@hawaii.gov

Chief Procurement Officer (CPO) Comments:

Approval is granted for the period 1/1/2014 to 12/31/2014 and is based on the department's determination that MorphoTrak, Inc. is the manufacturer of the AFIS software and only MorphoTrak, Inc. can provide an upgrade to the system. Sole Source contracts in excess of \$100,000 require cost or pricing data pursuant to HAR chapter 3-122, subchapter 15. This approval is for the solicitation process only, HRS section 103D-310(c) and HAR section 3-122-112, shall apply (i.e. vendor is required to be compliant on the Hawaii Compliance Express) and award is required to be posted on the Awards Reporting System. If there are any questions, please contact Stanton Mato at 586-0566, or stanton.d.mato@hawaii.gov.

☒ Approved

☐ Disapproved

☐ No Action Required

Acting Mario J. Felix 11/5/13  
Chief Procurement Officer Signature Date

**Attachment to:**  
**NOTICE & REQUEST FOR SOLE SOURCE**  
**Department of the Attorney General**  
**Upgrade to Statewide AFIS**

**6. Describe in detail the following:**

- a. The unique features, characteristics, or capabilities of the goods, service or construction.**
- b. How the unique features, characteristics or capabilities of the goods, service or construction are essential for the department.**

The Statewide Automated Fingerprint Identification System (AFIS) is a system that is available 24x7, 365 days a year. It is used by statewide law enforcement agencies to identify individuals being booked, by civil agencies to conduct background checks on employees and licensees who service our vulnerable populations, and for fingerprint storage. Through the AFIS, fingerprints of offenders, applicants, and employees are also sent to the Federal Bureau of Investigation (FBI) for a national search. As such, this system is mission critical to public safety for the State of Hawaii.

The Statewide AFIS was initially procured in 1990 via a Request for Proposal (RFP) and last upgraded in 2004. It continues to be maintained by the Hawaii Criminal Justice Data Center (HCJDC). Over the last 9 years, biometric identification technology has significantly improved with advances in matching capability, processing speed, and flexibility for cost-effective future growth. Unfortunately, the current aging system is not equipped to take advantage of these advances. In addition, because the hardware and software are outdated, the system is very costly to maintain.

While it was planned for a new AFIS to be procured after 5 years of the upgrade, due to the fiscal restrictions in the State, the HCJDC was unable to do so and instead, continued to maintain the existing system. It is now at a point where it is no longer cost effective to maintain the current system; however, a new system would cost close to \$4 million.

A less costly alternative to procuring a new system would be a system upgrade. The upgrade would be to the newest version being offered by the vendor and will include the following features and improvements:

- **Improved Matching Capabilities:** The upgraded system would provide the most technologically up-to-date components in order to correctly identify individuals whether at booking or during a background check for employment. The current AFIS vendor is the same vendor used by the FBI, but because the technology/coding of the matchers used in Hawaii's system is old, the possibility of missed identifications of offenders being booked increases with the age of the equipment. For instance, when fingerprints are obtained at booking, they are run through our local AFIS and when a match is not found, the offender is thought to be a first-time offender. However, when the fingerprints are sent to the FBI and processed through its newer AFIS matching algorithms, a match is

Hawaii to continue to provide core identification services to law enforcement agencies and its citizens in the event of a disaster. This system includes two separate server subsystems offering redundant storage, matching, high availability, and high-performance capabilities. Maintaining real time synchronization between both servers will allow for a quick switchover to the disaster recovery system with minimal impact to the users. This will allow this mission critical system to be accessible even in times of disaster. It is currently one of the major exposures for the State's law enforcement and criminal justice community in the event of a significant disaster.

In addition to the features and improvements mentioned above, the upgrade will also incorporate all existing interfaces needed for the Lights-Out Transaction Controller (LOTIC) and Fast ID devices. The LOTIC system is a messaging system that coordinates workflows among and between external systems, including the AFIS, IAFIS, and CJIS-Hawaii (Hawaii's repository of criminal history information). Fast ID devices are portable fingerprint-based identification units.

While an upgrade to our current system is still costly, we have an opportunity to enter into a lease-to-purchase agreement with our vendor which will allow us to pay off the total cost over 5 years. This approach is strategic because for almost 2 years, requests for full replacement of the State AFIS have been denied due to the inability to fund a one-time budget request of \$3-4 million.

Although we have yet to obtain funding for even the lease-to-purchase payment, the HCJDC will be aggressive in applying for federal grant funds in addition to asking the legislature for funding. Federal grants usually require that funds be spent within a certain time period. As such, we are requesting for procurement approval so that when funding becomes available, we will be able to move ahead with the lease right away, rather than having to then wait for approval, thereby risking that the grant period will pass.

An upgrade to the statewide AFIS system will provide Hawaii with a technologically up-to-date, improved system that will improve the identification of offenders arrested and those who work with our State's vulnerable populations. This will ultimately benefit all citizens of Hawaii and their public safety.